

The Institute for Organic and Biomolecular Chemistry at the Georg-August-Universität Göttingen is looking to fill the position of a

## PhD Student (all genders welcome)

in the German Research Foundation (DFG)-funded Research Training Group 2455 “BENCh – Benchmark Experiments for Numerical Quantum Chemistry”.

This position should ideally be filled by May 2023 with a contract initially limited to three years. The regular working hours will be 25.87 hours per week, and the salary corresponds to the **E13 TV-L (65%)** level. The position is affiliated with the group of Jun.-Prof. Dr. Nadja Simeth (<https://www.uni-goettingen.de/en/649877.html>). The young lab works at the interface of physical and organic chemistry and focuses on incorporating biomolecules in chemical, biohybrid, and biomimetic systems.

The prospective candidate will design and synthesize various photoswitches and investigate their properties spectroscopically and in silico, in collaboration with groups affiliated with the BENCh Research Training Group (RTG). The BENCh RTG consists of a high-level research programme aiming to provide landmark experiments for quantum chemical methods benchmarking. The students in the program will benefit from a wide variety of lab techniques and collaborations for challenging experiments. For more information, consult the official homepage <http://bench.uni-goettingen.de>.

### The prospective PhD student will

- work in an interdisciplinary, inclusive, supportive, and international research environment
- develop a research project with increasing scientific independence
- will travel to and collaborate with international partners
- receive personal supervision, a structured training, and regular feedback
- be guided to supervise undergraduate students

### Your profile

- You hold or will hold a Master's degree in Chemistry, Biochemistry, or related areas,
- have good communication skills in written and spoken English,
- have a solid background in organic synthesis,
- have some experience in data processing and analysis,
- ideally have some experience in optical spectroscopy and/or organic photochemistry and/or DFT calculations
- be creative, and curious in acquiring new techniques

Göttingen is a lively university city in central Germany, which hosts numerous internationally renowned research institutions, including not only the famous University but also its Medical Center, several Max Planck Institutes, the European Neuroscience Institute, the German Primate Center, and the Bernstein Center for Computational Neuroscience (BCCN).

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply. The university has committed itself to be a family-friendly institution and supports its employees in balancing work and family life. Applications from disabled persons with equivalent qualifications will be given preference.

**Interested?** Please send your application **by Feb 28<sup>th</sup>, 2023, as a single pdf** file to [simeth@uni-goettingen.de](mailto:simeth@uni-goettingen.de). Interviews will take place in the first week of March virtually. Your application must include a motivation letter, CV, a copy of your Master certificate in English or German, list of publications (if applicable), a summary of past research, and a short statement of future research interest, and the names as well as contact information of two references.

### Please note:

With the submission of your application, you accept the processing of your applicant data in terms of data protection law. Further information on the legal basis and data usage are provided at:

<https://www.uni-goettingen.de/hinweisdsqvo>